

## **SUPPORTING INFORMATION FOR A MAXIMUM GROUND LEVEL CONCENTRATION ACCEPTABILITY REQUEST FOR COMPOUNDS WITH NO MINISTRY POI LIMIT SUPPLEMENT TO APPLICATION FOR APPROVAL, EPA S.9**

*This form “Contaminants with no Ministry POI Limits Summary Table” is to be completed by applicants when a contaminant with no Ministry POI Limit is identified as part of an Emission Summary and Dispersion Modelling (ESDM) Report. Environmental Assessment and Approval Branch (EAAB) staff will forward the completed Table as part of a Maximum Ground Level Concentration (GLC) Acceptability Request to the Standards Development Branch (SDB). For further information on the Maximum GLC Acceptability Request process please see the Guide to Applying for Approval (Air and Noise) dated February, 2005.*

*An application for a Certificate of Approval will not be recommended for approval until SDB indicates that the concentration at POI proposed in the application is acceptable and is not likely to cause an adverse effect. **The EAAB requires that the applicant complete the form.***

### **INSTRUCTIONS**

Applicants must complete the Table as applicable and attach the required supporting information as outlined below. The source for the majority of this information will be the ESDM Report or in the Application Form. Applicants are required to reproduce this information as part of the Maximum GLC Acceptability Request process and attach the information to the form so that the Table and supporting information can be forwarded to SDB. References to the ESDM Report or Application Form are not acceptable.

Applicants are requested to include at least one copy of the Table and supporting information in an unbound section of the application to ease EAAB's forwarding of the request to SDB.

#### **1. Completing Contaminants with no Ministry POI Limits Summary Table**

The following information must be included on the Contaminants with no Ministry POI Limits Summary Table:

- The chemical name for each contaminant with no Ministry POI Limit identified in the ESDM Report. Standard nomenclature should be provided and the use of abbreviations or trade names should be minimized.
- The CAS number for each contaminant identified. The Chemical Abstracts Services (CAS) number is a unique identifier for a chemical. The following web sites may provide a convenient way to obtain specific CAS numbers:  
<http://www.chemfinder.com>  
<http://webbook.nist.gov/chemistry> - Scroll down to Search Options  
<http://www.toxnet.nlm.nih.gov> - Click on ChemIDplus
- The Maximum half-hour aggregate emission rate, expressed in grams per second, for each contaminant identified. The emission rate must consider all sources for the contaminant from

the facility and be calculated using the Maximum Emission Rate Scenario provided in the ESDM Report.

- The nature of the emission for each contaminant identified whether the emission is continuous or intermittent. Continuous emissions are defined as processes that have little variability over a shift or 24 hour period such as painting lines or continuous process reactors. Conversely, intermittent process have significant variability in the operating schedule and resultant emission rates such as paint spray booths that require significant step time or batch reactors.
- The predicted maximum half hour POI concentration, expressed in micrograms per cubic metre ( $\mu\text{g}/\text{m}^3$ ) for each contaminant identified. This includes a POI concentration calculated using the models outlined in Reg 346. Other models may be considered on a case-by-case basis.

## 2. Supporting Information

Information should be attached to the Form to provide additional information on the contaminants with no Ministry POI Limits and the facility as described below:

- Information that was used to identify the contaminant at the facility. This information may include but not be limited to:
  - a copy of the MSDS from the product identifying the contaminant(s) (if available);
  - the Emission Factor used, with proper references, to calculate the emission rate for the contaminant(s);
  - Source Assessment Testing results indicating the presence of the contaminant(s);
  - print outs from chemical properties services or references such as [www.ccinfoweb.ccohs.ca](http://www.ccinfoweb.ccohs.ca) or other sources;
  - any other information used by the applicant to identify the contaminant(s).
- Scaled Area Location Plan indicating the location of the facility, the facility property line, all buildings on the facility, all local roads and features of the neighbourhood for the area surrounding the facility. The Scaled Area Location Plan may be the same figure required by the Noise Screening Process (PIBS 4871) outlined in the Guide to Applying for Approval (Air and Noise) dated February, 2005.
- Information on the main Process(es) that give rise and any control equipment used to reduce the emission of each contaminant identified and any information on the handling guidelines and/or Codes of Practice that are used to control the emission for each contaminant identified if applicable. Codes of Practice followed that are recommended by a business or government organization should be specifically referenced.

# Contaminants with no MOE POI Limits Summary Table

For Office Use Only		
Reference #	Reviewer	Contact #

<b>Company Name</b>	<b>Site Name</b>	<b>North American Industry Classification System (NAICS)</b>
<b>Site Address - Street information</b> (applies to an address that has civic numbering and street information - includes street number, name, type and direction)		<b>Unit Identifier</b> (identifies type of unit, such as suite & number)
<b>Survey Address</b> (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
<b>Non Address Information</b> (includes any additional information to clarify clients' physical location)		
<b>Municipality/Unorganized Township</b>	<b>County/District</b>	<b>Postal Code</b>

☐ Scaled Area Location Plan Attached

Contaminant <sup>(a,b,c)</sup>	CAS <sup>(d)</sup> Number	Maximum ½ Hour Emission Rate (g/s)	Emission Type Continuous (C) Intermittent (I)	Predicted Maximum ½ Hour Average POI <sup>(e)</sup> Concentration (ug/m <sup>3</sup> )	Information on Contaminant (MSDS) Attached	Additional Supporting Information Attached to Form	For Office Use Only
1.					<input type="checkbox"/>	<input type="checkbox"/>	
2.					<input type="checkbox"/>	<input type="checkbox"/>	
3.					<input type="checkbox"/>	<input type="checkbox"/>	
4.					<input type="checkbox"/>	<input type="checkbox"/>	
5.					<input type="checkbox"/>	<input type="checkbox"/>	
6.					<input type="checkbox"/>	<input type="checkbox"/>	
7.					<input type="checkbox"/>	<input type="checkbox"/>	
8.					<input type="checkbox"/>	<input type="checkbox"/>	
9.					<input type="checkbox"/>	<input type="checkbox"/>	
10.					<input type="checkbox"/>	<input type="checkbox"/>	
11.					<input type="checkbox"/>	<input type="checkbox"/>	
12.					<input type="checkbox"/>	<input type="checkbox"/>	
13.					<input type="checkbox"/>	<input type="checkbox"/>	

Notes:

(a) Proper Chemical Name should be given (Abbreviations, acronyms, numeric codes, trade names and mixtures NOT ACCEPTABLE).

(b) All chemicals associated with the same process/operation. should be grouped together.

(c) If complete speciation of a mixture is not provided, the unspecified fraction will be assumed to be the most toxic compound, consistent with the available description.

(d) CAS Number : Chemical Abstracts Services Number (UNIQUE Identifier for a chemical)

(e) POI Concentration : Point of Impingement Concentration